

Quarterly Progress Meeting – May 10, 2018



# 2017 & 2025 WIP Outcomes

*James Davis-Martin (VA DEQ) and Dinorah Dalmasy (MDE)  
WQGIT Co-Chairs*

*Through the Chesapeake Bay Watershed Agreement, the Chesapeake Bay Program has committed to...*



## Goal: Water Quality

### *2017 WIP Outcome*

*By 2017, have practices and controls in place that are expected to achieve 60 percent of the nutrient and sediment pollution load reductions necessary to achieve applicable water quality standards compared to 2009 levels*

*Through the Chesapeake Bay Watershed Agreement, the Chesapeake Bay Program has committed to...*



## Goal: Water Quality

### *2025 WIP Outcome*

*By 2025, have all practices and controls installed to achieve the Bay's dissolved oxygen, water clarity/submerged aquatic vegetation and chlorophyll-a standards as articulated in the Bay TMDL document*



## What We Want



## To have Management Board support on:

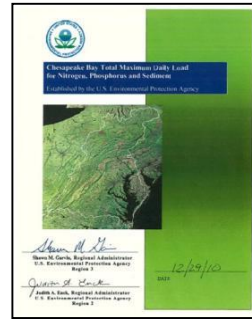
1. Retiring the 2017 WIP outcome and focus our efforts on 2025
2. Seeking additional financial resources for implementation from each jurisdiction, every federal partner and innovative sources
3. Focusing next two year workplan on Phase III WIP development and Partnership-driven commitments stemming from the mid-point assessment

# 1

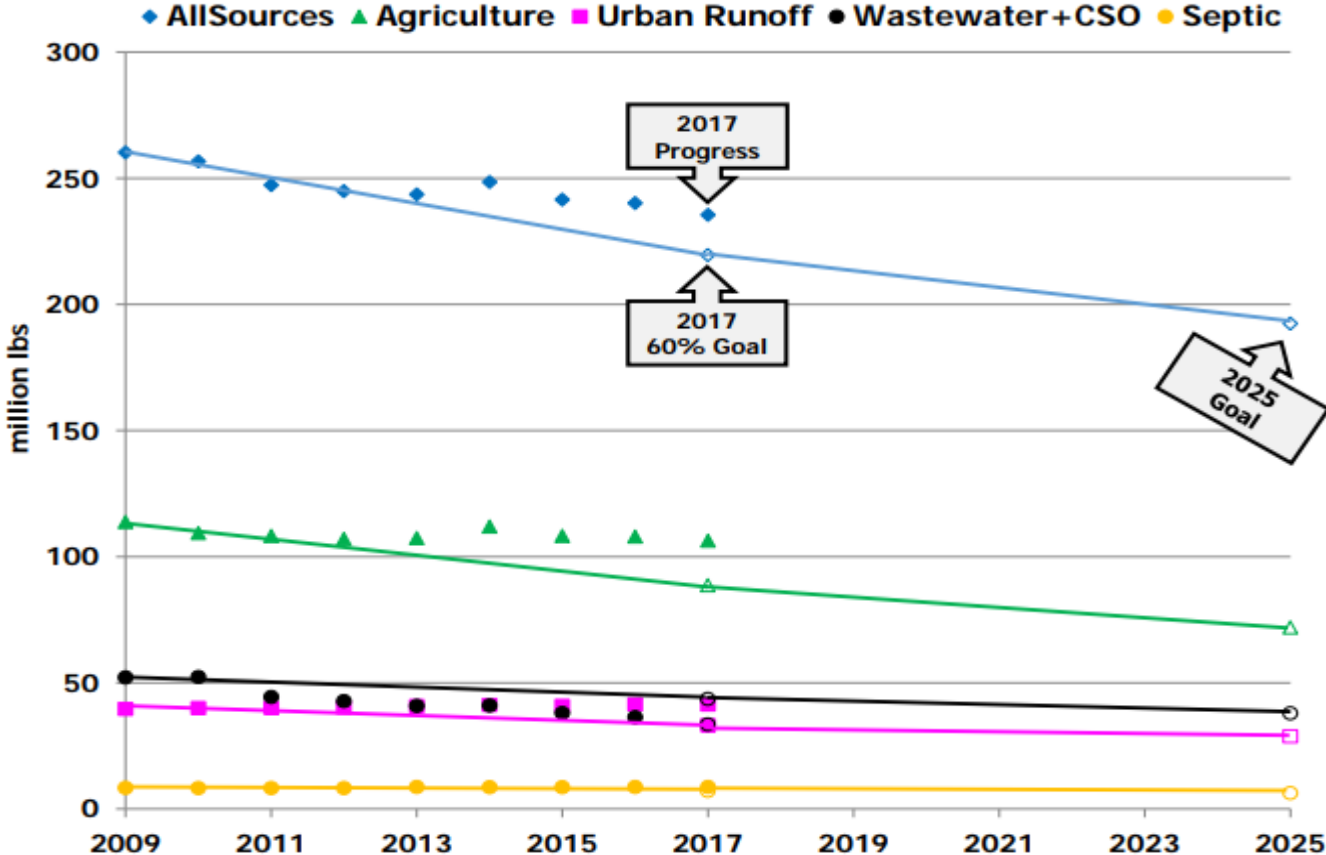
## **Setting the Stage:**

*What are our assumptions?*

# 2010 Chesapeake Bay TMDL Based on the & Bay Jurisdictions' Watershed Implementation Plans



# Achieving Shared Water Quality Goals





## **Logic Behind Our Outcome**

### **Following the Decision Framework:**

**Factors  
Influencing  
Success**

**Current  
Efforts  
and Gaps**

**Management  
Approaches**



## **Factors Influencing 2017 & 2025 WIP Outcomes**

**Implementation of Practices**

**Improved Technical Information**

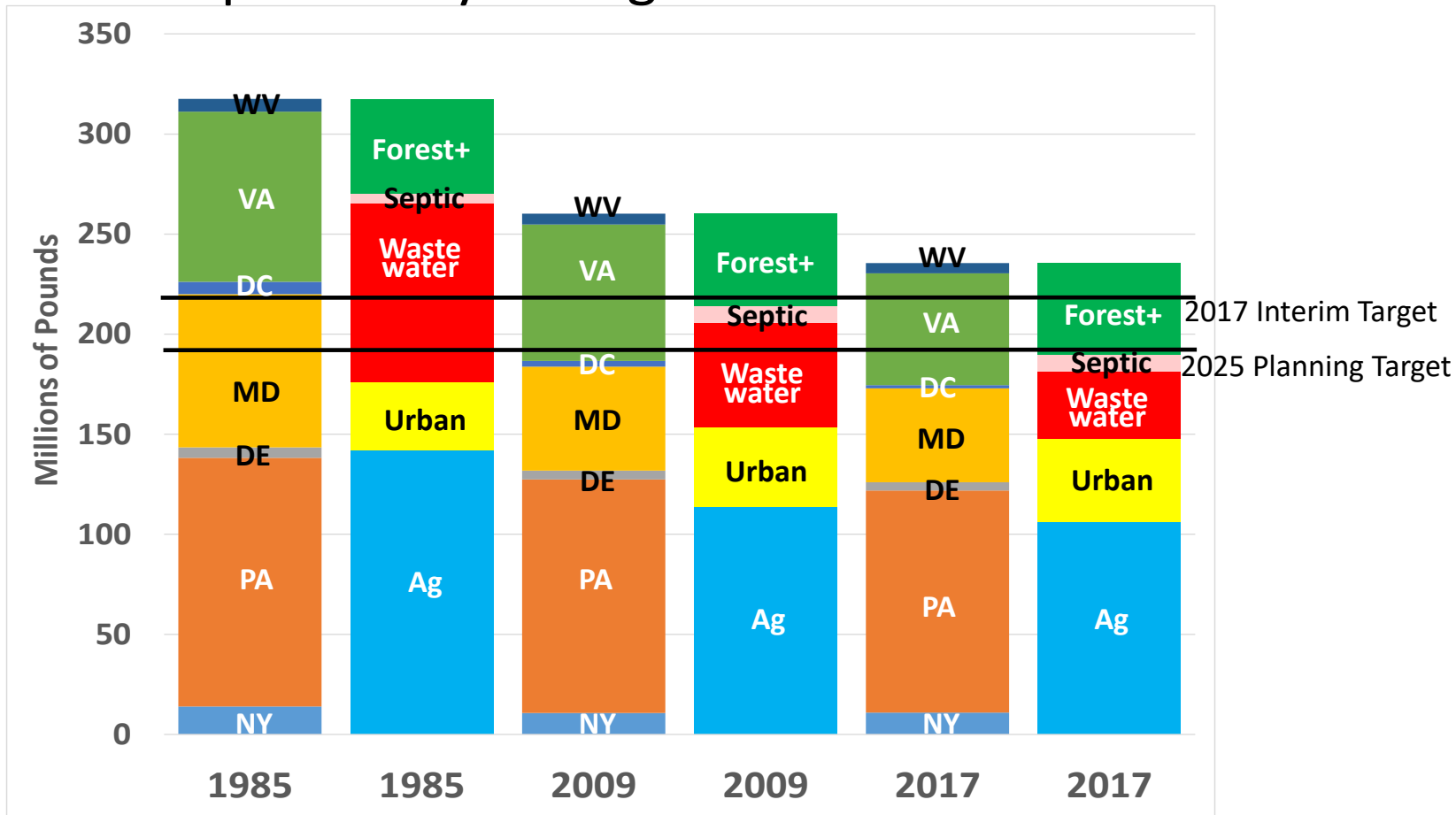
**Response of Water Quality Conditions to  
Management Practices**

# 2

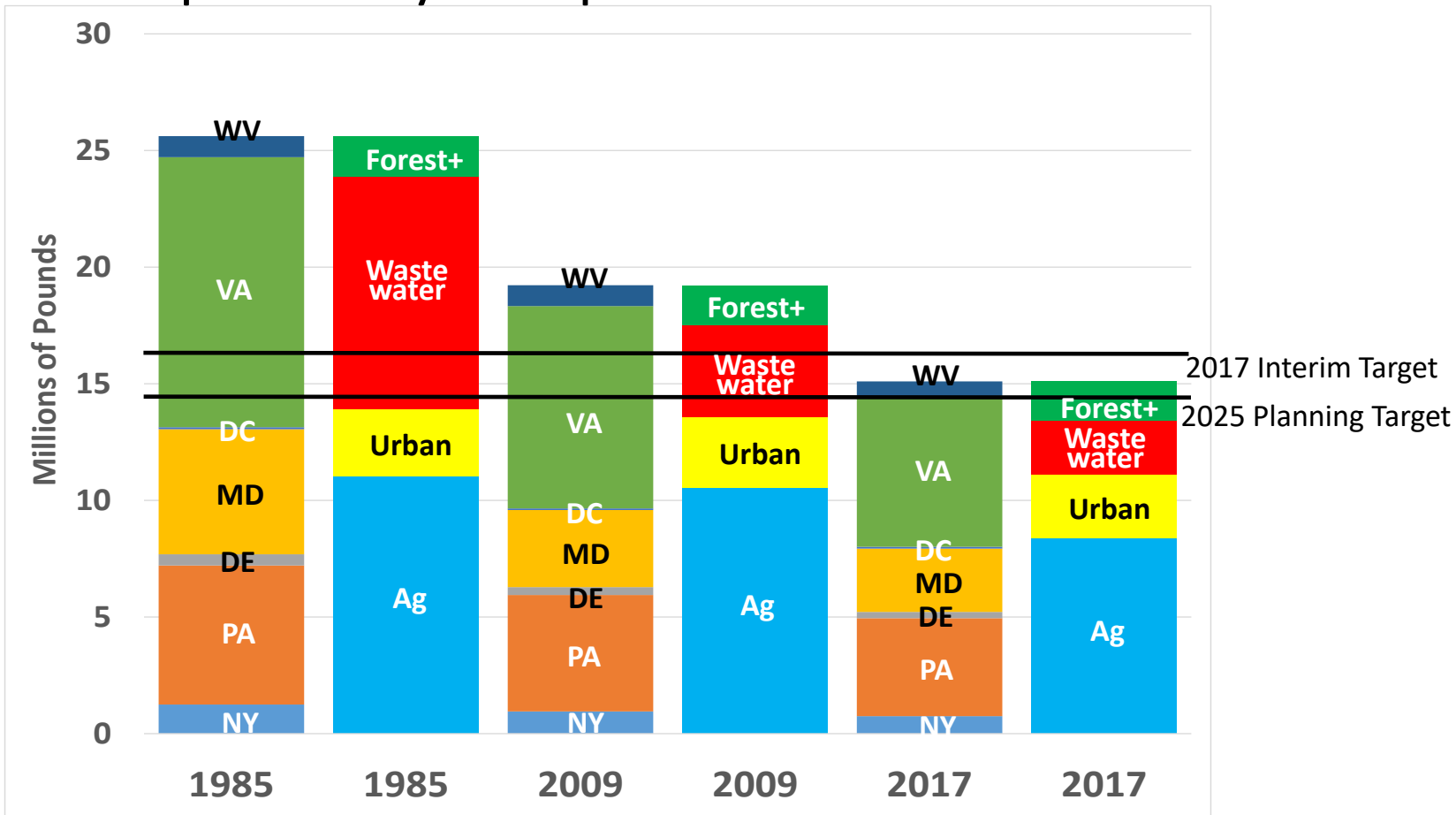
## **Progress:**

*Are we doing what we said we would do?*

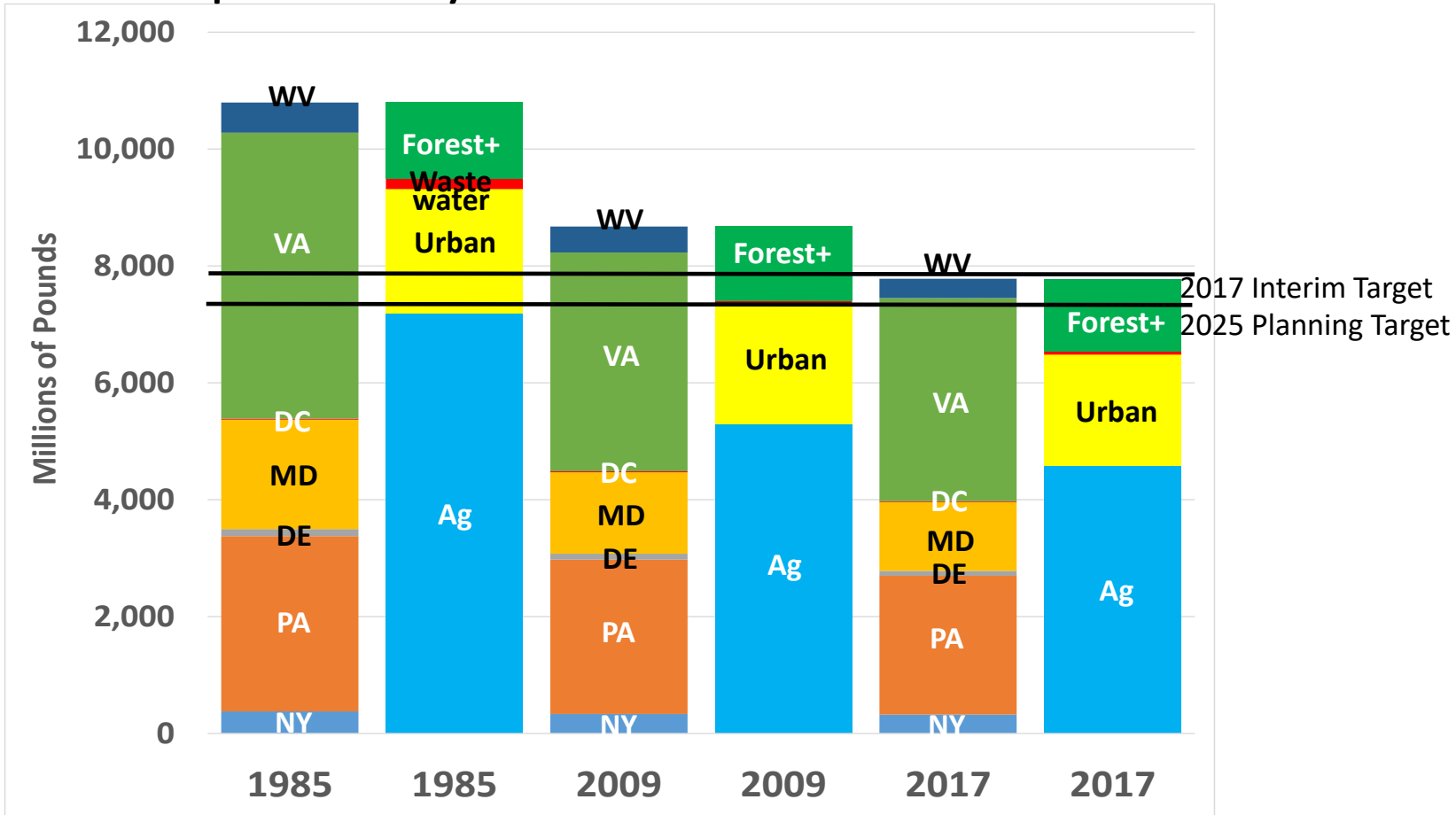
# Chesapeake Bay Nitrogen Loads and Goals



# Chesapeake Bay Phosphorus Loads and Goals



# Chesapeake Bay Sediment Loads and Goals





## Analysis

Which actions were most critical in progress thus far? Why?

- Partnership establishing TMDL allocations and WIP implementation elements
- Funding capacity to implement programs and practices
- Strengthening programmatic, technical, policy, and regulatory infrastructures
- Engaging local partners in WIP planning and implementation
- Building new science and information into Partnership's decision support tools



## Analysis

Which management actions will be the most critical to your progress in the future? Why?

- Continued (and increased) funding and resource support
- Continued partnership support to accelerate implementation
- Phase III WIP and two-year milestone development and implementation
- Continued crediting of innovative practices and technologies
- BMP verification program implementation
- Understanding how changing conditions will affect progress
- Explaining water quality monitoring trends and factors affecting trends



## Analysis

What gaps have been filled, and how will we build on this in the future? Jurisdictions have made progress and continue to address the following gaps:

- Financial, technical and regulatory capacity to deliver priority conservation practices to priority watersheds
- BMP tracking, verification and reporting programs

Additional incentives, new or enhanced state or local regulatory programs, market-based tools, technical or financial assistance, expanding state and local capacity, and new legislative authorities may be necessary



# 3

## **Challenges:**

*Are our actions having the expected effect?*



## Challenges

Did any factor, gap, or management approach present a challenge?

- Developing an approach to account for changed conditions due to climate change and Conowingo Dam infill
- Identifying sufficient funding mechanisms to support implementation efforts
- BMP verification program development and documentation of progress

Did an unforeseen factor influence your ability to move forward with an approach?

- Refinements to the Phase 6 suite of modeling tools and subsequent Phase III WIP planning targets impact on levels of implementation efforts needed moving forward

# 4

## **Adaptations:**

*How should we adapt?*



**Based on what we've  
learned, we plan to...**

**What (if anything) would you recommend changing about your management approach at this time?**

- Keep the focus on Phase III WIP development, two year milestones, and BMP verification while also emphasizing Partnership-driven priorities from the midpoint assessment, such as the Conowingo WIP, climate resilient BMPs, monitoring trend explanations, and optimization system
- Expanding partnership collaboration
- Sharing successful approaches among partners



## Cross-Outcome Considerations



2 0 1 4

- Continue focus on the co-benefits of water quality BMPs with other outcomes
  - Forest Buffer
  - Healthy Watersheds
  - Stream Health
  - Toxic Contaminants
  - Climate Resiliency
  - Protected Lands
  - Brook Trout
  - Public Access
  - Wetlands
  - Tree Canopy
  - Fish Habitat
  - SAV
- Better understanding of climate resilient BMPs



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# Discussion